

Ecosystem Change in California

California Education and the Environment Initiative

Approved by the California State Board of Education, 2010

The Education and the Environment Curriculum is a cooperative endeavor of the following entities:

California Environmental Protection Agency
California Natural Resources Agency
Office of the Secretary of Education
California State Board of Education
California Department of Education
California Integrated Waste Management Board

Key Leadership for the Education and Environment Initiative:

Linda Adams, Secretary, California Environmental Protection Agency
Patty Zwarts, Deputy Secretary for Policy and Legislation, California Environmental Protection Agency
Andrea Lewis, Assistant Secretary for Education and Quality Programs, California Environmental Protection Agency
Mark Leary, Executive Director, California Integrated Waste Management Board
Mindy Fox, Director, Office of Education and the Environment, California Integrated Waste Management Board

Key Partners:

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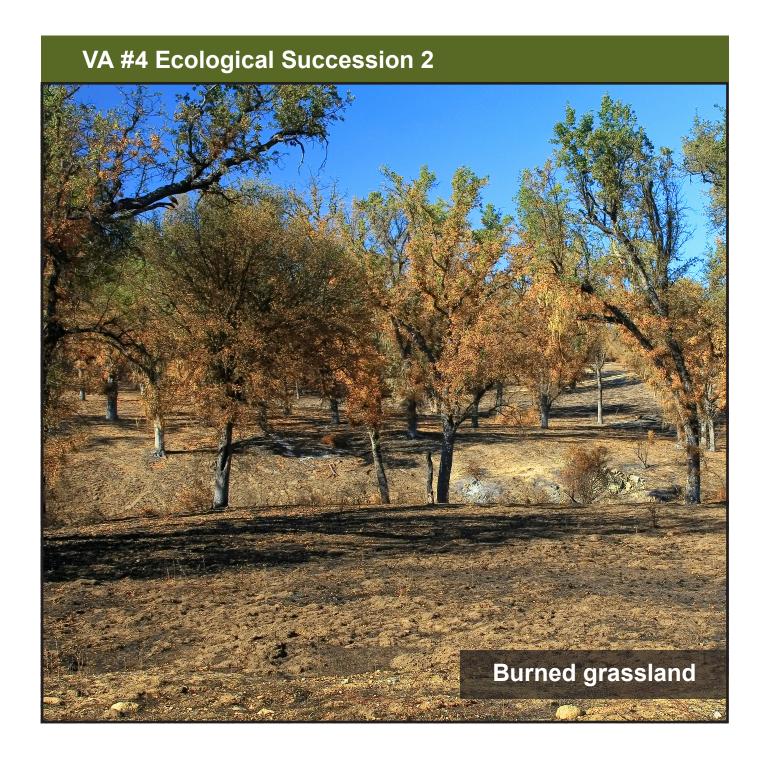
L	esson 1	Fields of Green and Gold
1	Native Gra	assland Invaded by Nonnative Grasses
L	esson 2	Surveying an Ecosystem for Evidence of Change
2	California	Grassland
3	Ecological	Succession 1
4	Ecological	Succession 2
5	Ecological	Succession 3
6	Ecological	Succession 4
7	Rancho Gr	rassland Study Site 8
L	esson 3	Climate Clues in Tree Rings and Pollen Cores
8	Tree Rings.	9
L	esson 4	Examining Human Use of the Grasslands
9	Undisturbe	ed Area in San Ramon Valley
10	San Ramor	n Valley After Development
11	Cumulative	e and Synergistic Effects on Grasslands
L	esson 5	Grassland Invaders

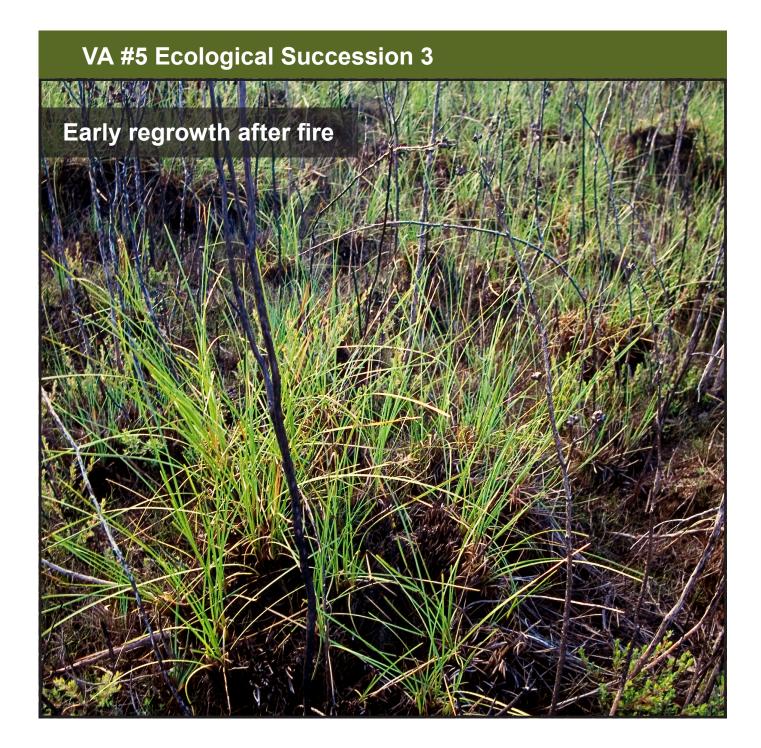
None required for this lesson.

Lesson 6 The Management of Ecosystems

VA #1 Native Grassland Invaded by Nonnative Grasses

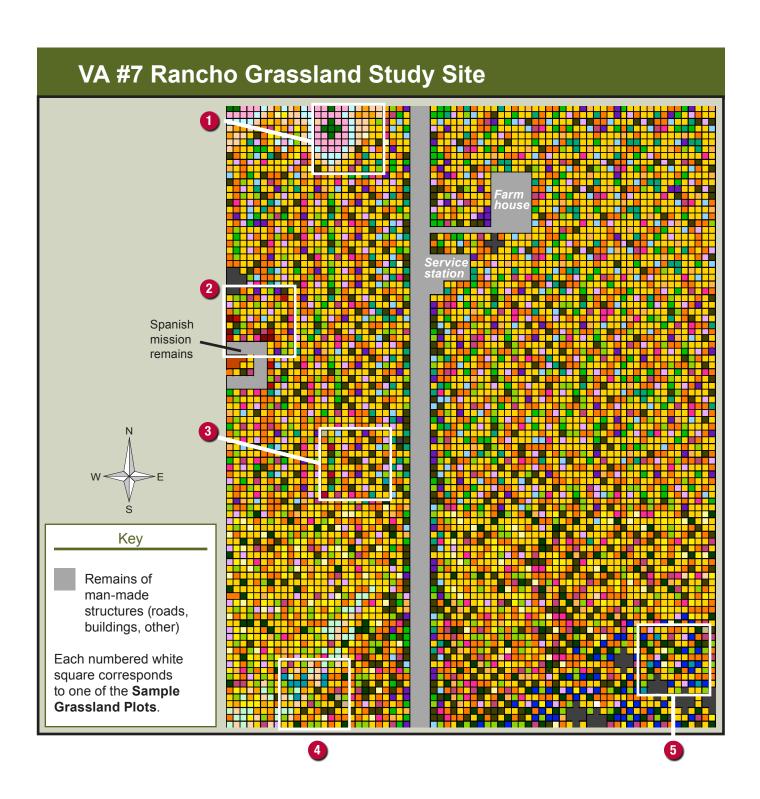






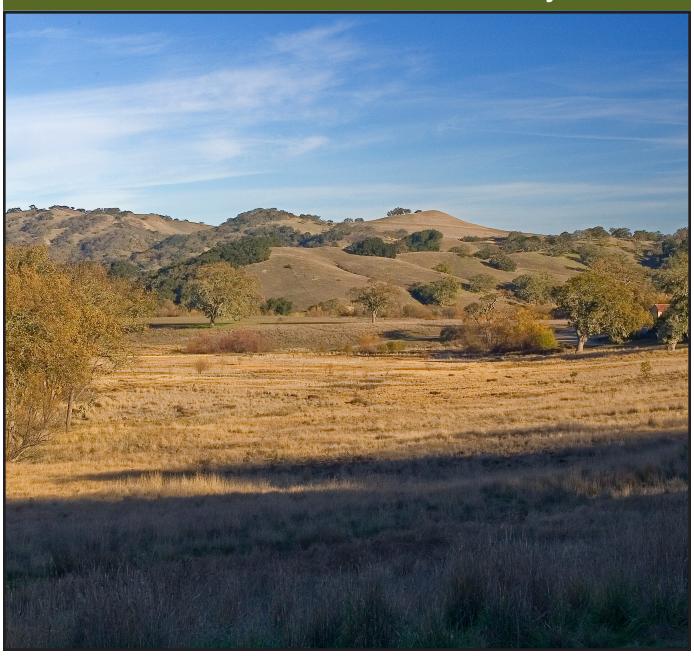
VA #6 Ecological Succession 4

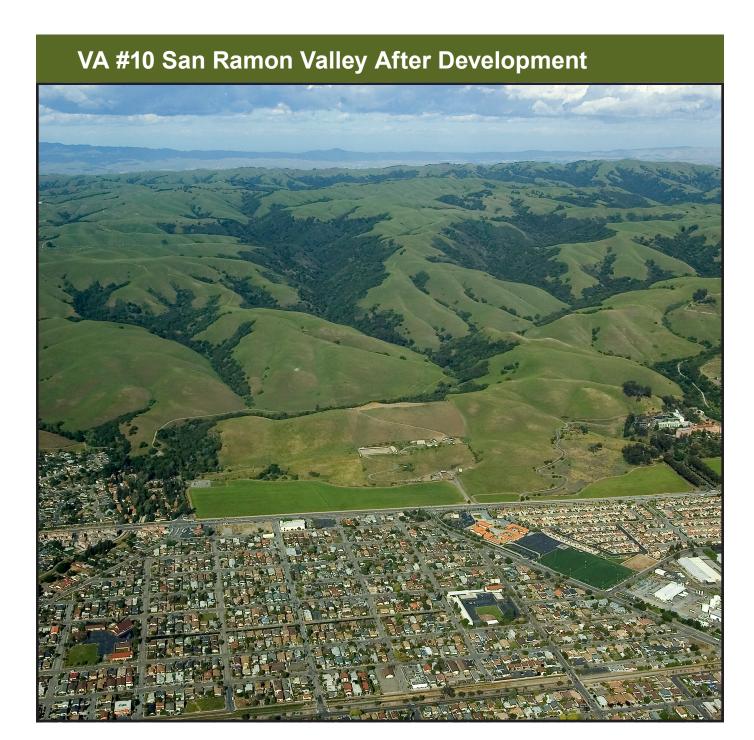


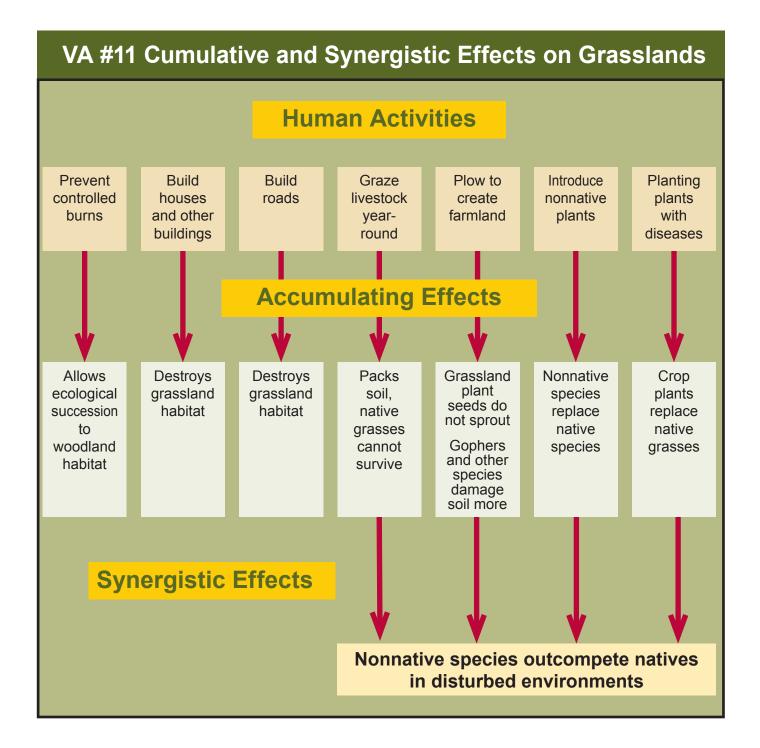




VA #9 Undisturbed Area in San Ramon Valley







VA #12 Ecosystem Management

Ecosystem management: Actions and decisions of individuals, organizations, and government entities related to maintaining ecosystems, and providing ecosystem goods and ecosystem services for current and future generations.

Part 1

Instructions: Several different roles are involved in making decisions about ecosystem management. Identify at least three types of people or agencies within each category who make decisions about ecosystem management.

Decision makers: decide what the objectives are	Analysts: predict the consequences of different management strategies	Stakeholders: have interest in the objectives, but do not have ownership or authority to make decisions
	Ecosystem Managen	nont.





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